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PATENT  
PD-202003  
Customer No.: 20991

IN THE U.S. PATENT AND TRADEMARK OFFICE **RECEIVED**

Applicants: Udaya Bhaskar et al. AUG 19 2003  
Appl'n. No.: 10/073,128 Group: 2641 Technology Center 2600  
Filed: February 13, 2002 Examiner: Unassigned  
For: "Prototype Waveform Magnitude Quantization For A Frequency Domain Interpolative Speech Codec System"

INFORMATION DISCLOSURE STATEMENT

(SUBMISSION AFTER FILING OF AN APPLICATION  
BUT BEFORE FINAL REJECTION OR NOTICE OF ALLOWANCE  
OR CONCURRENTLY WITH A RULE 53(d) CPA APPLICATION)

MAIL STOP DD  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

August 13, 2003

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, applicant hereby submits an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION

The patents, publications or other information submitted for consideration by the Office are listed on PTO-1449, attached hereto.

II. COPIES (check at least one box)

- a. X Submitted herewith is a legible copy of (i) each U.S. and foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed.
- b.     Some or all of the documents listed on the PTO-1449 are not enclosed because they were cited in the International Search Report and copies should already be in the PTO file. If copies are needed, please contact the undersigned.

III. CONCISE EXPLANATION OF THE RELEVANCE  
(check at least one box)

- a.     **DOCUMENTS NOT IN THE ENGLISH LANGUAGE**  
A concise explanation of the relevance of all patents, publications or other information listed that is not in the English language is as follows
- b. X **DOCUMENTS IN THE ENGLISH LANGUAGE**  
All of the patents, publications or other information are in the English language. No statement of relevancy is required.
- c.     **ENGLISH LANGUAGE SEARCH REPORT**  
An English language version of the search report or action which indicates the degree of relevance found by the foreign office is attached, thereby satisfying the requirement for a concise explanation. See MPEP 609(A)(3).
- d.     **OTHER**  
The following additional information is provided for the Examiner's consideration.

IV. FEES

X THIS IDS IS BEING FILED UNDER 37 C.F.R. § 1.97(b):  
(check one box)

- a.    within three months of the filing date of a national application (37 C.F.R. § 1.97(b)(1)). No fee or statement is required.
- b.    within three months of the date of entry of the national stage as set forth in §1.491 in an international application (37 C.F.R. § 1.97(b)(2)). No fee or statement is required.
- c. X before the mailing date of a first Action on the merits (37 C.F.R. § 1.97(b)(3)). No fee or statement is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the statement under 37 C.F.R. § 1.97(e) below, or, if no statement has been made, charge our deposit account in the amount of \$240.00 as required by 37 C.F.R. § 1.17(p).

V.    THIS IDS IS BEING FILED UNDER 37 C.F.R. § 1.97(c):  
(check one box)

before the mailing date of a Final Office Action under 37 C.F.R. § 1.113 (See 37 C.F.R. § 1.97(c)(1)) or before the mailing date of a Notice of Allowance under 37 C.F.R. § 1.311 (See 37 C.F.R. § 1.97(c)(2)).

- a.    No statement; therefore, a fee in the amount of \$240.00 as required by 37 C.F.R. § 1.17(p).
- or
- b.    See the statement below. No fee is required.

VI. STATEMENT UNDER 37 C.F.R. § 1.97(e) (check only one box)

The undersigned hereby states that

- a. ☐ each item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS; or
- b. ☐ no item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application and, to the best of my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement.
- c. ☐ Some of the items of information were cited in a communication from a foreign Patent Office. As to this information, the undersigned states that each item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby states that no item of this remaining information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application and, to the best of my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement.

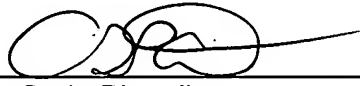
VII. PAYMENT OF FEES (check one box)

- ☐ A check in the amount of \$240.00 as required by 37 C.F.R. § 1.17(p) is enclosed for the above-identified fee.
- ☐ Please charge Deposit Account No. 50-0383 in the amount required by 37 C.F.R. § 1.17(p) for the above-indicated fee. A triplicate copy of this paper is attached.
- ☒ No fee is required.

If the Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 50-0383

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 50-0383 for any additional fees required under 37 CFR §1.16 or under §1.17; particularly, extension of time fees.

Respectfully submitted,

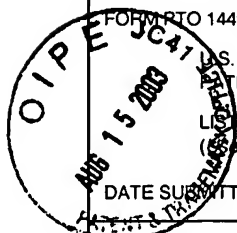
By:   
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Enclosures:    X    PTO-1449  
                  X    References  
                  —    International Search Report  
                  —    Fee  
                  —    Other:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first-class mail in an envelope addressed to MAIL STOP DD, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on August 13, 2003.

  
Ginger Fogle



FORM PTO 1449 (modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT(S) (See several sheets if necessary)				ATTY DOCKET NO. <b>PD-202003</b>		APPLICATION NO. <b>10/073,128</b>	
DATE SUBMITTED TO PTO: <b>August 13, 2003</b>				APPLICANT <b>BHASKAR et al.</b>		FILING DATE <b>2-13-2002</b>	
				GROUP <b>2641</b>			

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	1	5,517,595	Kleijn			2/8/94	
	2	5,664,055	Kroon			1/7/95	
	3	5,717,823	Kleijn			4/14/94	
	4	5,781,880	Su			5/30/95	
	5	5,884,010	Chen et al.			2/16/95	
	6	5,884,253	Kleijn			10/3/97	
	7	5,890,105	Ishihara et al.			10/2/95	
	8	6,081,776	Grabb et al.			7/13/98	
	9	6,418,408	Bhaskar et al.			4/4/00	
	10	6,493,664	Bhaskar et al.			4/4/00	

FOREIGN PATENT DOCUMENTS							
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ABS	

OTHER DOCUMENT(S)		
*EXAMINER INITIAL	DOCUMENT NUMBER	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
	11	Kleijn et al., "A Low-Complexity Waveform Interpolation Encoder," IEEE, 1996, Pp. 212-215.
	12	Kleijn et al., "A Speech Coder Based on Decomposition of Characteristic Waveforms," IEEE, 1995, Pp. 508-511.
	13	Thomson, "Parametric Models of the Magnitude/Phase Spectrum for Harmonic Speech Coding," IEEE, 1988, Pp. 378-381.
		Sen, et al., "Synthesis Methods In Sinusoidal And Waveform-Interpolation Coders", Speech Coding Research Department AT&T Bell Laboratories, Murray Hill, NJ, Pp. 79-80.

EXAMINER	DATE CONSIDERED
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.